



PATENT

Attorney Docket No. 16131US02

1FW

UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Van Rooyen, et al.

Serial No. 10/645,349

Filed: August 21, 2003

For: ANTENNA ARRAY INCLUDING
VIRTUAL ANTENNA ELEMENTS

Examiner: Mull, Fred H

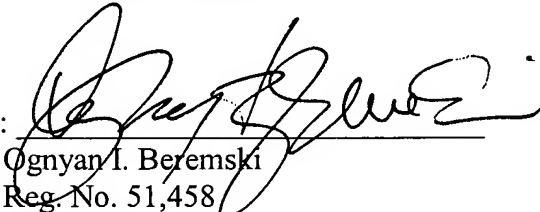
Group Art Unit: 3662

Conformation No.: 6747

CERTIFICATE OF MAILING

I hereby certify that this correspondence is
being deposited with the United States
Postal Service as first class mail in an
envelope addressed to: Mail Stop
Amendment, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-
1450 on 21-DEC-05

By:


Ognyan I. Beremski
Reg. No. 51,458

**TRANSMITTAL OF SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT
AFTER APPLICATION FILING DATE**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

ENCLOSURES

Enclosed are the following:

- * A completed PTO/SB/08A which has one (1) page, with a copy of same.
- * A copy of each printed or patented reference listed in the enclosed form PTO/SB/08A and not previously provided to or by the PTO in this application. Two (2) documents are enclosed.
- * A copy of the European Search Report for the European application, No. 03793385.0 corresponding to the above application.

FEE DETERMINATION

- * A fee is believed to be due.

- * In compliance with 37 C.F.R. § 1.97(c)(2), Applicants respectfully submit the fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00.

FEE PAYMENT

The following arrangements have been made to pay the fees calculated above:

- * The Commissioner is hereby authorized to charge the \$180.00 fee which is required to Deposit Account No. 13-0017, in the name of McAndrews, Held & Malloy.

REQUEST FOR CONSIDERATION

* This paper and enclosures are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above.

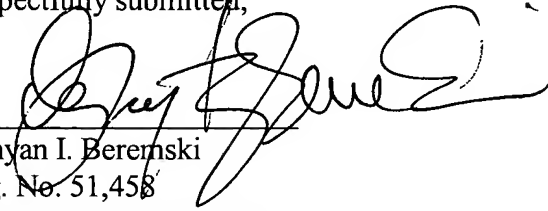
* This submission is in no way intended as an admission that the cited references constitute prior art under any subsection of 35 U.S.C. § 102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

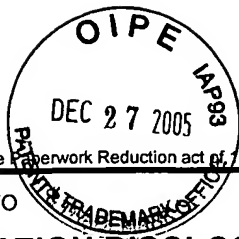
* The Examiner is requested to initial both copies of the enclosed PTO/SB/08A and return one copy to the Applicants to indicate consideration of the enclosed references.

Dated: 21-Dec-05

McAndrews, Held & Malloy, Ltd.
34th Floor
500 West Madison Street
Chicago, IL 60661
(312) 775-8000

Respectfully submitted,


Ognyan I. Beremski
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Attorney for Applicant(s)



PTO/SB/08A (08-03)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	10/645,349
Filing Date	8-21-2003
First Named Inventor	Van Rooyen et al
Group Art Unit	3662
Examiner Name	Mull, Fred H.
Attorney Docket Number	16131US02

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-5,537,367 A	07-16-1996	Lockwood et al	
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A13					
	A14					
	A15					
	A16					
	A17					

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A18	CHAE-HYUN L ET AL, "Channel Capacity Enhancement using Virtual Array Elements in Smart Antenna Systems", ICC 2002, 2002 IEEE International Conference on Communications, Nw York, NY, April 28-May2, 2002, IEEE International Conference on Communications, NY, vol. 1 of 5, pp 155-159, XP010589477, ISBN: 0-7803-7400-2.
	A19	
	A20	

EXAMINER
SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

Rev. Sept. 03

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